RAW SEQUENCE LISTING

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Application Serial Number: 10/524,979
Source: PCT
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RAW SEQUENCE LISTING DATE: 03/08/2005
PATENT APPLICATION: **US/10/524,979** TIME: 07:59:44

Input Set : **E:\seqlist.txt**
Output Set: **N:\CRF4\03082005\J524979.raw**

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      3 <110> APPLICANT: Takemori, Hiroshi
      4       Okamoto, Mitsuhiro
      6 <120> TITLE OF INVENTION: SALT-INDUCIBLE KINASE 2 AND USE THEREOF
      8 <130> FILE REFERENCE: WATA-003
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/524,979
C--> 11 <141> CURRENT FILING DATE: 2005-02-18
     11 <150> PRIOR APPLICATION NUMBER: 2002-240092
     12 <151> PRIOR FILING DATE: 2002-08-21
     14 <150> PRIOR APPLICATION NUMBER: 2003-23295
     15 <151> PRIOR FILING DATE: 2003-01-31
     17 <160> NUMBER OF SEQ ID NOS: 17
     19 <170> SOFTWARE: PatentIn Ver. 2.1
     21 <210> SEQ ID NO: 1
     22 <211> LENGTH: 2986
     23 <212> TYPE: DNA
     24 <213> ORGANISM: Mus musculus
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     29 aggcacttgc agcgcgggcc agtccgggtg gggttctacg acatcgaggg cacgctgggc 180
     30 aagggcaact ttgccgtggt gaagctgggg cggcaccgga ccaccaagac ggaggtggct 240
     31 ataaaaataa tagacaagtc acagctggat gcagtaaacc ttgagaaaat ctaccgagaa 300
     32 gtacagataa tgaaaatgct cgaccatcct cacatcatta aactgtatca ggtaatggag 360
     33 accaaaagta tgttgtacct tgtgacagaa tatgccaaaa atggagaaat ttttgattat 420
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     35 tctgctgttg attattgcca tggccggaag gtagtgcaca gagacctgaa ggctgaaaat 540
     36 ctcctgctgg ataacaacat gaatatcaaa atagcagatt tcggctttgg aaatttcttt 600
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     38 tttgaagggc agcagtatga aggaccacag ctggatatat ggagcatggg agttgttctt 720
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     40 agggttttag aaggaagatt ccggattcct tatttcatgt cagaagattg tgaacacctc 840
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     42 cacaagtgga tgctcataga ggttcctgta cagaggccta ttctctaccc acaagaacag 960
     43 gaaaacgagc cgtccattgg agaatttaat gagcaggttc ttcgactgat gcacagcctt 1020
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53 gtgactaacc aattggttgt gatgcccggg gcagggaaaa tgttctccat gagtgataac 1620
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55 tttctggaag acagcccttc cttgaaggac atcatgttag ccaatcagcc gtcaccccgc 1740
56 atgacatctc ctttcataag cctcagacct gccaacccag ccatgcaggc tctgagctca 1800
57 cagaagcgtg aggcccacaa ccggtccccc gtgagcttcc gagaaggccg cagagcatca 1860
58 gatacgtccc ttacacaagg aattgtggca tttagacaac atcttcagaa tcttgctaga 1920
59 accaaaggaa ttctggagtt gaacaaagta caattgctgt atgaacaaat gggatcaaac 1980
60 gcagacccta ccttaacatc aactgctcct cagctccaag acctttcgag cagttgccct 2040
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73 ggacttcagg acaccgcatc tagctatgac ccactggccc tctctgagct ccctggactc 2820
74 tttgattgtg aaatggtaga agctgtggat ccacaacaca atggggttgt gagctgctta 2880
75 gcccgggaga cctagcagct atggcaggac agttaggcaa cagatgaggg gctgcggaga 2940
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79 <210> SEQ ID NO: 2
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82 <213> ORGANISM: Mus musculus
84 <400> SEQUENCE: 2
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89 20 25 30
91 Val Val Lys Leu Gly Arg His Arg Thr Thr Lys Thr Glu Val Ala Ile
92 35 40 45
94 Lys Ile Ile Asp Lys Ser Gln Leu Asp Ala Val Asn Leu Glu Lys Ile
95 50 55 60
97 Tyr Arg Glu Val Gln Ile Met Lys Met Leu Asp His Pro His Ile Ile
98 65 70 75 80
100 Lys Leu Tyr Gln Val Met Glu Thr Lys Ser Met Leu Tyr Leu Val Thr
101 85 90 95
103 Glu Tyr Ala Lys Asn Gly Glu Ile Phe Asp Tyr Leu Ala Asn His Gly
104 100 105 110
106 Arg Leu Asn Glu Ser Glu Ala Arg Arg Lys Phe Trp Gln Ile Leu Ser
107 115 120 125
109 Ala Val Asp Tyr Cys His Gly Arg Lys Val Val His Arg Asp Leu Lys
110 130 135 140
112 Ala Glu Asn Leu Leu Leu Asp Asn Asn Met Asn Ile Lys Ile Ala Asp
113 145 150 155 160

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118 Cys Gly Ser Pro Pro Tyr Ala Ala Pro Glu Val Phe Glu Gly Gln Gln
119             180                 185                 190
121 Tyr Glu Gly Pro Gln Leu Asp Ile Trp Ser Met Gly Val Val Leu Tyr
122         195                 200                 205
124 Val Leu Val Cys Gly Ala Leu Pro Phe Asp Gly Pro Thr Leu Pro Ile
125     210                 215                 220
127 Leu Arg Gln Arg Val Leu Glu Gly Arg Phe Arg Ile Pro Tyr Phe Met
128 225                 230                 235                 240
130 Ser Glu Asp Cys Glu His Leu Ile Arg Arg Met Leu Val Leu Asp Pro
131                 245                 250                 255
133 Ser Lys Arg Leu Ser Ile Ala Gln Ile Lys Glu His Lys Trp Met Leu
134             260                 265                 270
136 Ile Glu Val Pro Val Gln Arg Pro Ile Leu Tyr Pro Gln Glu Gln Glu
137         275                 280                 285
139 Asn Glu Pro Ser Ile Gly Glu Phe Asn Glu Gln Val Leu Arg Leu Met
140     290                 295                 300
142 His Ser Leu Gly Ile Asp Gln Gln Lys Thr Val Glu Ser Leu Gln Asn
143 305                 310                 315                 320
145 Lys Ser Tyr Asn His Phe Ala Ala Ile Tyr Phe Leu Leu Val Glu Arg
146                 325                 330                 335
148 Leu Lys Ser His Arg Ser Ser Phe Pro Val Glu Gln Arg Leu Asp Gly
149             340                 345                 350
151 Arg Gln Arg Arg Pro Ser Thr Ile Ala Glu Gln Thr Val Ala Lys Ala
152         355                 360                 365
154 Gln Thr Val Gly Leu Pro Val Thr Leu His Pro Pro Asn Val Arg Leu
155     370                 375                 380
157 Met Arg Ser Thr Leu Leu Pro Gln Ala Ser Asn Val Glu Ala Phe Ser
158 385                 390                 395                 400
160 Phe Pro Thr Ser Ser Cys Gln Ala Glu Ala Ala Phe Met Glu Glu Glu
161                 405                 410                 415
163 Cys Val Asp Thr Pro Lys Val Asn Gly Cys Leu Leu Asp Pro Val Pro
164             420                 425                 430
166 Pro Val Leu Val Arg Lys Gly Cys Gln Ser Leu Pro Ser Ser Met Met
167         435                 440                 445
169 Glu Thr Ser Ile Asp Glu Gly Leu Glu Thr Glu Gly Glu Ala Glu Glu
170     450                 455                 460
172 Asp Pro Ser Gln Ala Phe Glu Ala Phe Gln Ala Thr Arg Ser Gly Gln
173 465                 470                 475                 480
175 Arg Arg His Thr Leu Ser Glu Val Thr Asn Gln Leu Val Val Met Pro
176                 485                 490                 495
178 Gly Ala Gly Lys Met Phe Ser Met Ser Asp Asn Pro Ser Leu Glu Ser
179             500                 505                 510
181 Val Asp Ser Glu Tyr Asp Met Gly Ser Ala Gln Arg Asp Leu Asn Phe
182         515                 520                 525
184 Leu Glu Asp Ser Pro Ser Leu Lys Asp Ile Met Leu Ala Asn Gln Pro
185     530                 535                 540
187 Ser Pro Arg Met Thr Ser Pro Phe Ile Ser Leu Arg Pro Ala Asn Pro
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RAW SEQUENCE LISTING DATE: 03/08/2005
PATENT APPLICATION: **US/10/524,979** TIME: 07:59:44

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Output Set: **N:\CRF4\03082005\J524979.raw**

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190 Ala Met Gln Ala Leu Ser Ser Gln Lys Arg Glu Ala His Asn Arg Ser
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193 Pro Val Ser Phe Arg Glu Gly Arg Arg Ala Ser Asp Thr Ser Leu Thr
194             580                 585                 590
196 Gln Gly Ile Val Ala Phe Arg Gln His Leu Gln Asn Leu Ala Arg Thr
197         595                 600                 605
199 Lys Gly Ile Leu Glu Leu Asn Lys Val Gln Leu Leu Tyr Glu Gln Met
200     610                 615                 620
202 Gly Ser Asn Ala Asp Pro Thr Leu Thr Ser Thr Ala Pro Gln Leu Gln
203 625                 630                 635                 640
205 Asp Leu Ser Ser Ser Cys Pro Gln Glu Glu Ile Ser Gln Gln Gln Glu
206                 645                 650                 655
208 Ser Val Ser Ser Leu Ser Ala Ser Met His Pro Gln Leu Ser Pro Gln
209             660                 665                 670
211 Gln Ser Leu Glu Thr Gln Tyr Leu Gln His Arg Leu Gln Lys Pro Asn
212         675                 680                 685
214 Leu Leu Pro Lys Ala Gln Ser Pro Cys Pro Val Tyr Cys Lys Glu Pro
215     690                 695                 700
217 Pro Arg Ser Leu Glu Gln Gln Leu Gln Glu His Arg Leu Gln Gln Lys
218 705                 710                 715                 720
220 Arg Leu Phe Leu Gln Lys Gln Ser Gln Leu Gln Ala Tyr Phe Asn Gln
221                 725                 730                 735
223 Met Gln Ile Ala Glu Ser Ser Tyr Pro Gly Pro Ser Gln Gln Leu Ala
224             740                 745                 750
226 Leu Pro His Gln Glu Thr Pro Leu Thr Ser Gln Gln Pro Pro Ser Phe
227         755                 760                 765
229 Ser Leu Thr Gln Ala Leu Ser Pro Val Leu Glu Pro Ser Ser Glu Gln
230     770                 775                 780
232 Met Gln Phe Ser Ser Phe Leu Ser Gln Tyr Pro Glu Met Gln Leu Gln
233 785                 790                 795                 800
235 Pro Leu Pro Ser Thr Pro Gly Pro Arg Ala Pro Pro Pro Leu Pro Ser
236                 805                 810                 815
238 Gln Leu Gln Gln His Gln Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro
239             820                 825                 830
241 Pro Gln Gln Pro Gly Ala Ala Pro Thr Ser Leu Gln Phe Ser Tyr Gln
242         835                 840                 845
244 Thr Cys Glu Leu Pro Ser Thr Thr Ser Ser Val Pro Asn Tyr Pro Ala
245     850                 855                 860
247 Ser Cys His Tyr Pro Val Asp Gly Ala Gln Gln Ser Asn Leu Thr Gly
248 865                 870                 875                 880
250 Ala Asp Cys Pro Arg Ser Ser Gly Leu Gln Asp Thr Ala Ser Ser Tyr
251                 885                 890                 895
253 Asp Pro Leu Ala Leu Ser Glu Leu Pro Gly Leu Phe Asp Cys Glu Met
254             900                 905                 910
256 Val Glu Ala Val Asp Pro Gln His Asn Gly Val Val Ser Cys Leu Ala
257         915                 920                 925
259 Arg Glu Thr
260     930
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PATENT APPLICATION: **US/10/524,979** TIME: 07:59:44

Input Set : **E:\seqlist.txt**
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<213> ORGANISM: Mus musculus
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gtacaattgc tgtatgaaca a 141
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<211> LENGTH: 47
<212> TYPE: PRT
<213> ORGANISM: Mus musculus
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Gln Gly Ile Val Ala Phe Arg Gln His Leu Gln Asn Leu Ala Arg Thr
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Lys Gly Ile Leu Glu Leu Asn Lys Val Gln Leu Leu Tyr Glu Gln
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<211> LENGTH: 756
<212> TYPE: DNA
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 5
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aaccttgaga aaatctaccg agaagtacag ataatgaaaa tgctcgacca tcctcacatc 180
attaaactgt atcaggtaat ggagaccaaa agtatgttgt accttgtgac agaatatgcc 240
aaaaatggag aaatttttga ttatcttgct aatcatggcc gattaaatga atctgaagcc 300
aggagaaaat tctggcaaat tctgtctgct gttgattatt gccatggccg gaaggtagtg 360
cacagagacc tgaaggctga aaatctcctg ctggataaca acatgaatat caaaatagca 420
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ccccttatg cagccccaga agtctttgaa gggcagcagt atgaaggacc acagctggat 540
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ccaactctcc ctattttgag gcagagggtt ttagaaggaa gattccggat tccttatttc 660
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ctaagcatag ctcaaatcaa ggagcacaag tggatg 756
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<211> LENGTH: 252
<212> TYPE: PRT
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 6
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Leu Gly Arg His Arg Thr Thr Lys Thr Glu Val Ala Ile Lys Ile Ile
20 25 30
Asp Lys Ser Gln Leu Asp Ala Val Asn Leu Glu Lys Ile Tyr Arg Glu
35 40 45
Val Gln Ile Met Lys Met Leu Asp His Pro His Ile Ile Lys Leu Tyr

VERIFICATION SUMMARY DATE: 03/08/2005
PATENT APPLICATION: **US/10/524,979** TIME: 07:59:45

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date